Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/20/2017 11:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124734	-1	1.54	124651	1.44
Blue	F	SSC	125000	124292	-1	2.47	124689	2.25
Blue	E	FITC	21625	21029	-3	2.27	933	10.02
Blue	D	PE	26832	26367	-2	1.86	946	9.68
Blue	B	PerCP-Cy5-5	48027	47305	-2	3.09	1359	16.35
Blue	A	PE-Cy7	40971	40636	-1	4.78	628	34.43
Red	C	APC	49746	49167	-2	2.88	2851	9.42
Red	A	APC-Cy7	53615	52675	-2	2.83	1093	11.12
Violet	B	V450	14488	13711	-6	6.37 (1)	657	10.09
Violet	A	V500	55123	53489	-3	6.23	2364	7.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19451	5.46	603	5	N/A	N/A	Pass
Blue	F	SSC	61811	1.45	534	0	N/A	N/A	Pass
Blue	E	FITC	107	37.97	534	-2	0.0218	185	Pass
Blue	D	PE	209	28.91	529	-2	0.1668	259	Pass
Blue	B	PerCP-Cy5-5	214	43.66	626	-3	0.0108	108	Pass
Blue	A	PE-Cy7	71	112.57	676	-5	0.0126	14	Pass
Red	C	APC	334	27.74	590	-4	0.0207	96	Pass
Red	A	APC-Cy7	119	40.95	574	-6	0.0057	1857	Pass
Violet	B	V450	79	44.16	470	-1	0.0548	2587	Pass
Violet	A	V500	172	23.98	496	0	0.0177	1141	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.86	-31.31	0.84
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.84	13.27 - 19.91	N/A	N/A	31.34	31.88	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10137

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments